

# INTERNATIONAL SEARCH REPORT

In national Application No  
FCI/GB2004/002866

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K35/74

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, FSTA, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE MEDLINE 'Online! US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; November 1975 (1975-11), WEAVER T L ET AL: "Whole-cell and membrane lipids of the methylotrophic bacterium Methylosinus trichosporium." XP002302098 Database accession no. NLM810477 abstract &amp; JOURNAL OF BACTERIOLOGY. NOV 1975, vol. 124, no. 2, November 1975 (1975-11), pages 602-605, ISSN: 0021-9193</p> <p style="text-align: center;">----- -/--</p>	12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

22 October 2004

Date of mailing of the international search report

11/11/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1991, BOWAN J P ET AL: "PHOSPHOLIPID FATTY ACID AND LIPOPOLYSACCHARIDE FATTY ACID SIGNATURE LIPIDS IN METHANE-UTILIZING BACTERIA" XP002302099 Database accession no. PREV199191111571 abstract &amp; FEMS MICROBIOLOGY ECOLOGY, vol. 85, no. 1, 1991, pages 15-22, ISSN: 0168-6496</p>	12
X	<p>----- DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1993, PELTOLA PETRI ET AL: "Effect of copper on membrane lipids and on methane monooxygenase activity of Methylococcus capsulatus (Bath)" XP002302100 Database accession no. PREV199396092064 abstract &amp; ARCHIVES OF MICROBIOLOGY, vol. 159, no. 6, 1993, pages 521-525, ISSN: 0302-8933</p>	12
X	<p>----- WO 01/60974 A (LARSEN JAN ; GOLDING LOUISE (GB); JOHANNESSEN ARILD (NO); KLEPPE GUNNA) 23 August 2001 (2001-08-23) cited in the application claims 17-19 page 10, lines 1-6,20-22 example 1</p>	14,15
X	<p>----- GB 1 319 114 A (VNII BIOSINTEZA BELKOVYKH VESC) 6 June 1973 (1973-06-06) claims 1,4,5,8 column 2, lines 9-11</p>	10,12-15
X	<p>----- WO 01/49277 A (PORTER WILLIAM LESLIE) 12 July 2001 (2001-07-12) claims 1,8,11 page 3, paragraph 3 page 5, paragraph 1 examples 1-3</p>	3,4,8, 10,12-15
X	<p>----- EP 0 404 300 A (SAGAMI CHEM RES ; TOSOH CORP (JP)) 27 December 1990 (1990-12-27)  page 1, lines 1-5; claims 1,3,10,14 page 4, paragraphs 24,27-29 table 4</p>	1,2,4, 8-10, 12-17

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International application No.  
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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1, 9 (completely); 4-8, 10-13 and 15 (partially)

Use of microbial lipids for preparing an oral therapeutic composition for reducing plasma cholesterol or the ratio of LDL/HDL in an animal. Medicament containing microbial lipids.

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2. claims: 2 (completely); 4-8, 10-13, 15 (partially)

Use of microbial lipids for preparing an oral therapeutic composition for increasing plasma DHA (docosahexaenoic acid) in an animal. Medicament containing microbial lipids.

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3. claims: 3 (completely); 4-8, 10-13 and 15 (partially)

Use of microbial lipids for preparing an oral therapeutic composition for use as immuno-protectant in an animal. Medicament containing microbial lipids.

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4. claim: claims 14 (completely); 12 and 15 (partially)

Foodstuff containing microbial lipid.

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5. claims: claims 16-17

Food product harvested from an animal fed with a microbial lipid

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Int. Application No  
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0160974	A	23-08-2001	AU 3212201 A BR 0108412 A CA 2400605 A1 CN 1426460 T EP 1265982 A2 WO 0160974 A2 JP 2003523196 T US 2003138878 A1	27-08-2001 11-03-2003 23-08-2001 25-06-2003 18-12-2002 23-08-2001 05-08-2003 24-07-2003
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EP 0404300	A	27-12-1990	JP 3024018 A AU 638446 B2 AU 5250790 A CA 2013614 A1 EP 0404300 A2	01-02-1991 01-07-1993 03-01-1991 22-12-1990 27-12-1990